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Atty Dkt No. 37112-175340

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Proposed Claim Amendments

1. (Currently Amended) A computer-readable medium comprising software for operating a video surveillance system, ~~comprising code segments for operating the video surveillance system based on video primitives, wherein the code segments for operating the video surveillance system comprise:~~

code segments for determining identifying one or more user-defined event discriminators, each user-defined event discriminator to detect an occurrence of a user-defined event in a video of the video surveillance system, each user-defined event comprising a description of at least one object engaged in an activity in the video or a description of at least one object engaged in an activity having one or more spatial attributes in the video and/or one or more temporal attributes in the video, the object being an item of interest in the video;

code segments for extracting video primitives from the a video regardless of what event discriminators where defined, each video primitive extracted being independent of any user-defined event described by the user-defined event discriminators, wherein extracting video primitives comprises:

identifying one or more objects in the video to obtain identified objects, each object being an item of interest in the video, wherein identifying one or more objects comprises at least one of:

Not For Entry

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Atty Dkt No. 37112-175340

detecting one or more objects in the video;

tracking one or more objects in the video; or

classifying one or more objects in the video; and

identifying at least one video primitive for each identified object in the video

independent of any user-defined event described by any user-defined event discriminator, each

video primitive describing a property of one of the identified objects, each property being an

observable attribute of the identified object in the video; and

code segments for checking the extracted video primitives against at least one of the user-

defined event discriminators to determine whether any user-defined events described by the

checked user-defined event discriminators occurred in the video, wherein checking the extracted

video primitives comprises:

comparing the properties of the video primitives with the description of the user-

defined event of one of the user-defined event discriminators; and

determining a user-defined event occurred in the video according to one of the

user-defined event discriminators if the properties of the video primitives match the description

of the user-defined event of one of the user-defined event discriminators;

wherein the code segments for extracting video primitives are different from the code

segments for checking the extracted video primitives

Not For Entry

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~~code segments for extracting event occurrences from the extracted video primitives using at least one of the one or more user defined event discriminators, wherein the code segments for extracting event occurrences are different from the code segments for extracting video primitives;~~

~~wherein each video primitive is an observable attribute of an object viewed in the video;~~

~~wherein the video primitives are at least one of the following: a size, a shape, a color, a texture, a velocity, a speed, an internal motion, a feature of a salient motion, or a feature of a scene change.~~

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